



# POWER BATTERY

## 5.0 | 7.5 | 10.0 | 12.5 | 15.0

### MODULAR HIGH VOLTAGE OUTDOOR BATTERY FOR PV STORAGE SYSTEMS



### HIGH PERFORMANCE

- LiFePO<sub>4</sub> technology
- Max. 0.78C charging/discharging rate
- Intelligent equalization
- High voltage, high efficiency, low stress operation

### EASY INSTALLATION

- Lightweight components
- Modern and space-saving design
- Modular concept and simple wiring for easy transport and installation
- Master battery management system
- Plug & play

### MONITORING VIA APP

- Powerful RCT RESS App
- Full data visualization
- Monitoring from every location
- Configuration options
- One click update

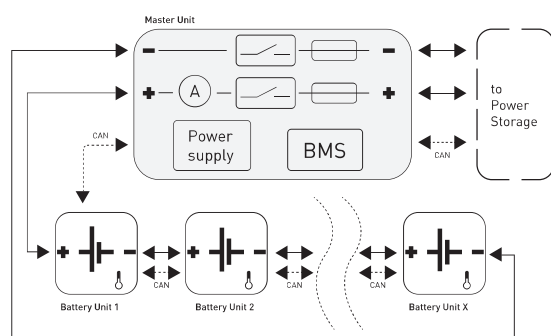
### FLEXIBLE AND UPGRADEABLE

- Extendable capacity for lifetime use: 5-15 kWh
- Usable capacity scalable in increments of 2.25 kWh
- Upgradeable
- Suitable for back-up systems

### SUSTAINABLE

- Lithium-iron-phosphate cell chemistry
- 10 years time value guarantee
- IP65: Suitable for outdoor installation
- Suitable for salt water-wet locations
- Corrosion-resistant aluminum housing
- All components carry necessary UL certifications

### BLOCK DIAGRAM



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**2.5<sup>1</sup>****5.0****7.5****10.0****12.5****15.0**

### ELECTRICAL PARAMETERS

Nominal capacity [kWh]	2.5	5	7.5	10	12.5	15
Usable capacity (90% DoD) [kWh]	2.25	4.5	6.75	9	11.25	13.5
Cycle Life	≥ 8,000 <sup>2</sup>					
Voltage range [V]	73 - 83	145 - 166	218 - 248	291 - 331	364 - 414	436 - 497
Nominal voltage [V]	77	154	230	307	384	461
Maximum charge / discharge current [A]	25 / 25					
Standby consumption [W]	< 5					

### INTERFACES

Power Storage interface	CAN
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### GENERAL

Battery technology	LiFePO <sub>4</sub>					
Dimensions (H x W x D) [mm]	227 x 347 x 345	599 x 347 x 345	826 x 347 x 345	1053 x 347 x 345	1208 x 347 x 345	1507 x 347 x 345
Weight [kg]	25	59	84	109	134	159
Number of battery units	1	2	3	4	5	6
IP degree of protection	IP65					
Type of installation	floor stand / indoor / outdoor					
Operating temperature range	-18 ~ 55°C (-0.4 °F ~ 131°F)					
Connector type	Quick Contact MC4 - Evo 2					

### SAFETY / STANDARDS

Safety class	I
Certificates	UN 38.3, UL1973, UL60730-1, UL9540A, IEC60529, IEC60068-2-52, IEC60068-2-5
EMC	FCC Part 15B, ICES-003, IEC 61000-6-1&-6-3
Safety	IEC 62477, IEC62040, IEC62619, IEC63056

### WARRANTY

Warranty	10 years <sup>3</sup>
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<sup>1</sup> Parameters above are for a single battery pack. A minimum of two packs is required for system operation.

<sup>2</sup> Cycle life test conditions: @25°C±2°C, @90% DOD, @70% SOH

<sup>3</sup> Test condition of 5.2°C ~ 44.8°C (41.4°F ~ 112.6°F), 0.3C charge and discharge rate and SOH=70%

<sup>4</sup> Supports two 15kWh battery clusters in parallel for a 30kWh system.